

ABSTRACT AMENDMENTS

Replace the Abstract with:

~~The A~~ distance measuring device ~~in accordance with the present invention comprises,~~
~~includes~~ light-projecting means ~~a projector~~ for projecting a beam of light onto an object at a
distance to be measured, ~~a light-receiving means~~ detector for ~~receiving~~ detecting the part of
the beam of light of the reflected light from the object and outputting an output signal
~~therefrom,~~ ~~integration means,~~ an integrator for discharging or charging an integration
capacitor corresponding to the output signal to integrate the output signal, ~~AD conversion~~
~~means~~ an analog-to-digital converter for ~~AD~~ converting the voltage of the integration
capacitor after a predetermined number of ~~repeat repetitions~~ of the a distance measuring
routine, and ~~detection means~~ a detector for detecting the distance to the object ~~to be measured~~
based on the ~~AD converted-conversion~~ signal, wherein the number of ~~repeat repetitions~~ of the
distance measuring routine is set ~~saturation~~ to saturate the integration capacitor through the
~~repeat repetition~~, when the object ~~to be measured~~ is located at a short range alarm position.